STOICHITA,S., dr.; GHEORGHESCU, B. dr.; BOICESCU,Lidia, dr.; STECLACI,A. ing.; DEBAU,M., dr.; MARINESCU, Eliza, dr.; GAVRILA, I. dr.; GAVRILA, D. dr.; BROSTEANU,E. dr.; SAFIRESCU, T., dr.

Contribution to the study of digestive disorders in scleroderma. Med. intern. (Bucur.) 16 no.4:441-452  Ap'64.

1. Clinica a V-a medicala a Spitalului unificat de adulti al Raionului Gr.Rosie din Bucuresti.

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GHEORGHESCU,B., dr.; BRASLA,I., dr.; MERCULIEV,E., fiz.; STECLACI,A.,ing.

Value of the scintigraphic method for diagnosis of hepatic
hydatid cysts. Med. intern. (Bucur.) 16 no.4:453-460  Ap'64.

1. Clinica a V-a medicala a Spitalului unificat de adulti al
Raionului Gr. Rosie din Bucuresti.

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GHEORGHESCU, B., dr.; PAVEL, D., dr.; LILIS, M., dr.; OPROIU, Al., dr.;
        MERCULIEV, Elena, fizician; POPOVICI, M., ing.

Diagnostic value of isotope nephrograms with hippuran-I 131.
Med. intern. (Bucur.) 16 no.8:941-950  Ag '64.

1. Lucrare efectuata in Clinica a V-a medicala, Institutul medico-
farmaceutic, Bucuresti (director: prof. T. Spirchez).

PROKOPEK, L., dr.; RIBOVA, M., cn.; OHLER... J., dr.; Lablik..., dr.

Studies of blood radioactivity in rabbits after ingestion
of globulin labeled with I-131. Med. inter. (Bucur.) 14 no.11:
1327-1332 N '62.

1. Lucrare efectuata in Clinica a III-a spitalul clinic
de medicina interna "Dr. I. Cantacuzino" din Bucuresti, Preve-
nit de la, Recensat (direct. prof. T.S. Enescu).

SPIRCHEZ, T., prof.; GINGOLD, N., dr.; GHEORGHIESCU, B., dr., MERCUL'EV, Elena

The value of investigations with radioactive isotopes in the diagnosis of some blood diseases. Med. intern. (Bucur.) 17 no.1:1-13 Ja '65

1. Lucrare efectuata in Clinica medicala a Spitalului unificat de adulti al Raionului "Grivita Rosie", Bucuresti.

GHEORGHESCU, B.; PAVEL, D.; LILIS, M.; OPROIU, Al.; MERCULIEV, Elena,
    POPOVICI, M.

The diagnostic value of the hippuran $I^{131}$ isotopic nephrogram.
Rumanian med. rev. 19 no.1:35-43  Ap-Je'65.

SPIRCHEZ, T., prof.; GHEORGHESCU, B., dr.; BRASIA, I., dr.;
MERCULIEV, Elena, fiz.; IONESCU, A., dr.; POPESCU, Mariana, dr.

The value of absorption tests with radioisotopes in patients
with intestinal resection. Med. intern. 15 no.8:943-948
Ag '63.

1. Lucrare efectuata in Clinica a V-a medicala a Spitalului
"V. Roaita", I.M.F. Bucuresti (director: prof. T. Spirchez).
        (GASTROENTEROLOGY)   (SURGERY, OPERATIVE)
        (INTESTINES)   (PHYSIOLOGY)
        (RADIOISOTOPE SCANNING)

GHEORGHIESCU, Constantin, ing.; LUCIAN, Vlad, ing.

Modern equipment and technology in footwear industry. Industria usoara
8 no.9:340-351  S '61.

(Shoe industry)

ILIESCU, C. C., Prof.; KLEINERMAN, L., Conf.; RATIU, O., dr.;
       PANTZER, M., dr.; GUTA, G,; EFRAIM, M., dr.; ROLAND, F., dr.;
       GHEORGHIADE, T., dr.; LECCA, S., lab.

Cardiac catheterization in congenital cardiovascular defects.
Med. Int., Bucur. 8 no.3:339-359 July 56.

1. Lucraro efectuata in Clinica a 111-a medicala I.M.F.
Bucuresti.
        (CARDIOVASCULAR DEFECTS, CONGENITAL, diagnosis
            cardiac catheterization)
        (CATHETERIZATION, CARDIA, in various dis.
            cardiovascular defects, congen.)

COUNTRY      :  Rumania
CATEGORY     :

ABS. JOUR.   :  RZKhim., No. 22    1959, No.                          79113

AUTHOR       :  Larosehian, M.

TITLE        :  Purification of the Crude Nitrate Gas and the
                Ammonia from Traces of Carbon Dioxide by the Use
                of Ammonia Solution (Instead of Sodium Hydroxide)

ORIG. PUB.   :  Rev Chim (RPR), 10, No 3, 149-150 (1959)

ABSTRACT     :  The application of $NH_4$-water (instead of a solu-
                tion of NaOH) for the removal of the traces
                gas obtained by the conversion of $CO_2$ leads to
                a number of technical and economic advantages.
                                           From author's summary

CARD: 1/1

GHEORGHIAN, Mihaela; GHEORGHIAN, Ausat

On some marls with Spirialis in the Lupsa reach. Dari seaman re.
49 ; t.2:177-1.2    1-1-'62[publ. '64].

1. Submitted February 16, 1962.

GHEORGHIAN, Mihaela; GHEORGHIAN, Dusat

On some marls with Spirialis in the Lapas wash. Dari seism sot
49 pt.2:177-18 '61-'62[publ. '64].

1. Submitted February 16, 1962.

GHEORGHIES, E.

CIULI, l., fiz.; GHEORGHIES, E., ing.

The time paradox. St si Teh Buc 14 no.5:8-11 My '62

GHEORGHIEV, D. [Georgiev, D.]; GHEORGHIEV, H. [Georgiev, Kh.]

Distribution of $C^{14}$ in blossom cluster, tip and leaves of tomato plants.
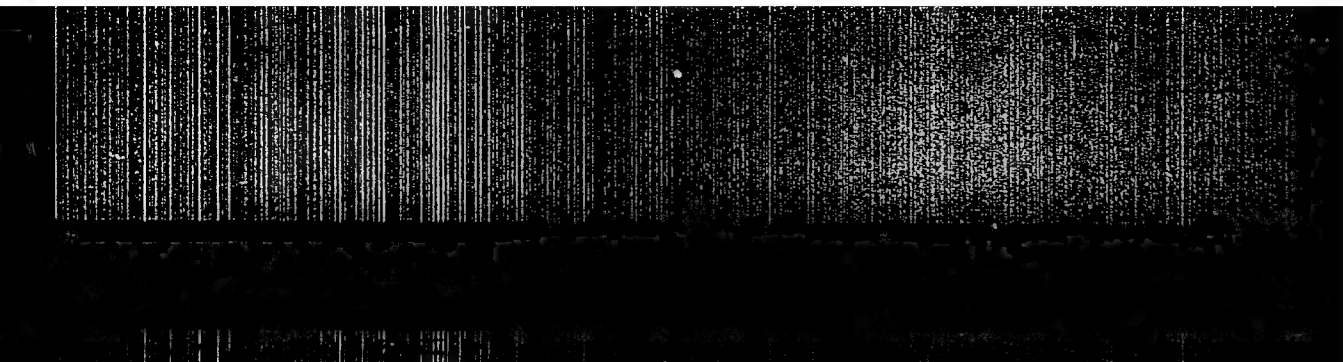Doklady BAN 16 no.3:313-316 '63.

POPPOFF, I.D.; GHEORGHIEV, D.I.

Introduction of substances into plants by the capillary
method. Studii cerc biochimie 7 no.1:19-22  '64.

1. Department of Biochemistry of the Institute for Plant
Culture, Academy of Agricultural Sciences, Sofia, Bulgaria.
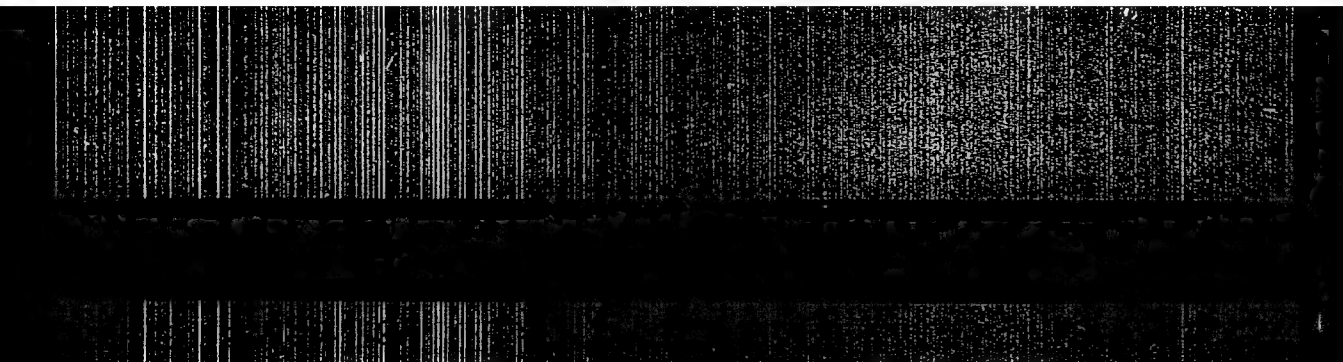
GEORGIEV, G.

Georgiev, G.   Kratuk kurs po vissha matematika. Sofiya, Nauka i izkustvo (1951) 599 p.
(Brief lectures on higher mathematics. Pt. 1. Mathematical analysis)

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L. C., VOL. 3, NO. 1, Jan. 1954, Uncl.
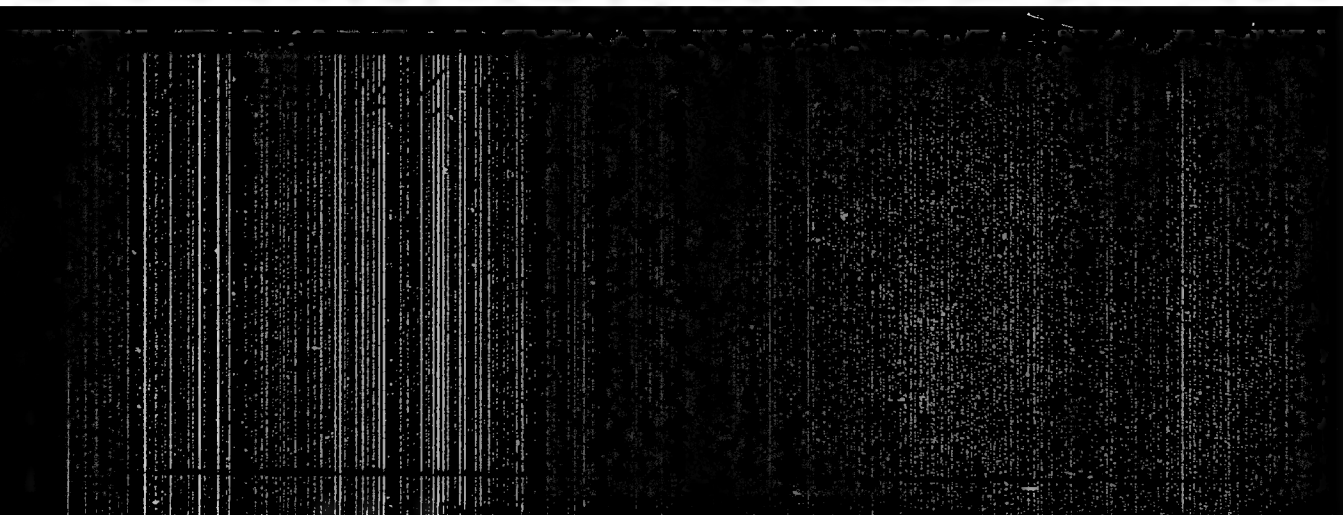
GHEC.IGHIEV, Ch.

Mathematical Review
June 1954
Geometry

(2)

Gheorghiev, Gh. Sur quelques généralisations du théorème
de Réaumur pour les courbes d'une surface. Acad. Re-
pub. Pop. Române. Bul. Şti. Sect. Şti. Mat. Fiz. 4, 497–
503 (1952). (Romanian. Russian and French sum-
maries)

GEORGIYEV, G.

Jan/Feb 53

USSR/Mathematics - Indeterminates

"A Certain Indeterminate Equation," G. Georgiyev

Usp Mat Nauk, Vol 8, No 1(53), pp 131-134

Solves the problem of establishing the mecessary and sufficient conditions which must be satisfied by the indicies of the indeterminate eq $\sum_{k=1}^{m} A_k \prod_{i=1}^{n} x_i^{a_{ki}} = A_0$ where the indices $a_{ki}$ are integers, in order that the eq can be transformed by a birational transformation into a linear eq. This problem is a generalization of the problem of L. Chakalov and Khr. Karanikolov ("Resolution de l'equation $Ax^m + By^n = z^p$ en nombresrationnels," Comptes Rendus 210, 19 Feb 1940, pp 281-283).

250T67

GEORGIYEV, G.

Jan/Feb 53

USSR/Mathematics - Indeterminates

"The Solution, in Rational Numbers, of a Certain Indeterminate Equation,"

G. Georgiyev

Usp $^{M}$at Nauk, Vol 8, No 1(53), pp 127-130

Establishes more general condtions than those of Khr. Karanikolov ("Contri-
bution a la theorie des equations indeterminees," a dissertation, Sofia,
1942) for the soln. (all rational roots) of the indeterminate eq.
$\sum_{k=1}^{n} A_k x_k^{m_k} = 0$, where $A_k$ and $m_k$ are integers.  Submited 7 $^{O}$ct 52.

250T66

GEORGIYEV, G.

USSR/Mathematics - Quadratures          21 Mar 53

"Formulas of Mechanical Quadratures With Equal
Coefficients for Multiple Integrals," G. Georgiyev,
Sofia State Polytech Inst imeni Stalin

DAN SSSR, Vol 89, No 3, pp 389-392

Formulas derived from previous article (cf. ibid.
83, 4 (1952)) in which double or triple integrals
equal $\sum \lambda_i P_1(x_1,y_1,z_1)$ are computed for the case
of all $\lambda_i$ equal.  Presented by Acad M. A.
Lavrent'yev 26 Dec 52.

272T55

GEORGIYEV, G.

Mar/Apr 53

USSR/Mathematics - Indeterminates

"Solution in Rational Numbers of a Certain Indeterminate Equation,"

G. Georgiyev

Usp Mat Nauk, Vol 8, No 2(54), pp 115-118

Derives more general condtions for the fulfilment of which one can find

all rational solns for the eq $\sum_{k=1}^{n} A_k \prod_{i=1}^{n} x_i^{a_{ki}} = A_o$; namely, more feneral than

those of Kr. Karanikolov in his disseration ("Contribution a la theorie des

equations indeterminees," Sofia, 1942).  Submitted 7 Oct 52.

250T87

GEORGIEV, G.

<u>Georgiev</u>, <u>G</u>. Résolution de l'équation

$$\sum_{k=1}^{n} A_k \prod_{i=1}^{n} x_i{}^{a_{ki}} = A_0$$

en nombres rationnels.  Acta Math. Acad. Sci. Hungar. 2, 229-246 (1951). (French. Russian summary)

The equation of the title, with rational coefficients $A_k$ and integral exponents $a_{ki}$ with determinant $|a_{ki}| \neq 0$, is studied by use of the transformation (1)
$x_i = \prod_{r=1}^{n} x_r{}^{\lambda ri}, i=1,2,\cdots,n,$ with integral exponents having determinant $|\lambda_{ri}| = \pm 1$. Necessary and sufficient conditions that a transformation (1) exist which reduces the original equation to $\sum_{k=1}^{n} A_k X_k = A_0$ are that $|a_{ki}| = \pm 1$. Necessary and sufficient conditions are also given for reduction to $\sum A_k \chi_k{}^{m_k} = A_0$. These results lead to sufficient conditions for solving the equation in rational integers.  In case one or more of the coefficients $A_k$ are zero, stronger results are obtained.

I. Niven   (Eugene, Ore).

SO:  <u>Mathematical Review</u>, Vol. 14, No. 4, April 1953.

GEOPGIEV, G

Georgiev, G. On the solution in rational numbers of the Diophantine equations. Prace Mat. 1 (1955), 201-209. (Polish, Russian and English summaries) An exhaustive elaboration of the method expounded more briefly in Uspehi Mat. Nauk (N.S.) 8 (1953), no. 2(54), 115-118; MR 14, 1063.          *J. W. S. Cassels.*

1 - F/W

Gheorghiev, Gh. Quelques aspects géométriques du mouvement permanent d'un fluide idéal. II. An. Şti. Univ. "Al. I. Cuza" Iaşi. Secţ. I. (N.S.) 2 (1956), 69–84. (Romanian, Russian and French summaries)

Continuing the author's study in Rev. Univ. "Al. I. Cuza" Iaşi Politehn. Iaşi 2 (1955), 43–64 [MR 18, 616], ... concerning fluids, certain compatibility conditions are obtained ... theorems derived for the case that the motion of the fluid is uniform on every streamline. ... general study of the ... motions $B$". The ... the necessary and ... surfaces and a con... are, respectively ... motions $B$. ... Cambridge, Mass.)

2

Smul.

On Certain Motions of Fluids Whose Stream Lines Are Curves of Constant Speed

Gheorghiev, Gh. Sur certains mouvements des fluides dont les lignes de courant sont isotachées. Acad. R. P. Romîne. Fil. Iaşi. Stud. Cerc. Şti. Mat. 8 (1957), no. 2, 157–161. (Romanian. Russian and French summaries)

1-FW

Certain geometrical results are derived from the continuity equation for stationary fluid motions for which the streamlines coincide with the curves along which the speed remains constant. Particular attention is paid to ideal barotropic fluids. Results of F. Sbrana [Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Nat. (6) 7 (1928), 641–643], L. Castoldi [ibid. (8) 3 (1947), 333–337; MR 9, 630] and S. S. Byuşgens (Izv. Akad. Nauk SSSR. Ser. Mat. 12 (1948), 481–512; MR 10, 633] are taken into consideration.    D. J. Struik (Cambridge, Mass.)

POPA, I., prof.; GHEORGHIEV, Gh., prof.

Projective differential geometry of some equiparametric varieties (II).
Studii mat Iasi 12 no.1:115-124 '61.

1. Membri al Comitetului de redactie "Studii si cercetari stiintifice,
Matematica" [Academia Republicii Populare Romine, Filiala Iasi].

GHEORGHIEV, Gh.

Halicoidal flow of fluids. Comunicarile AR 12 no.6:641-659 Je '62.

1. Comunicare prezentata de M. Haimovici, membru corespondent al Academiei R.P.R.

GHEORGHIEV, Gh.

Geometric properties of nonstationary motions in
hydrodynamics. Studii mat Iasi 13 no.1:177-188 '62.

GHEORGHIEV, Gh.

On some internal relations between the current lines and the quadric of deformation. Studii mat Iasi 13 no.2:361-368 '62.

POPA, I.; GHEORGHIEV, Gh., prof. univ., (Iasi)

The common semiquadric equation of three linear complexes of straight lines. Gaz mat fiz 14 no.4:169-170 Ap '62.

GHEORGHIEV, Gh., prof. univ. (Iasi); POPA, I., prof. univ. (Iasi)

Professor Octav Mayer, on the occasion of receiving the title "Man of Science of Rumania." Gaz mat fiz 15 no.9:495-500 S '63.

GHEORGHIEV, Gh., prof. univ.

"Lectures on differential geometry" by Gheorghe Vranceanu. Pts. 1-2. Reviewed by Gh. Gheorghiev. Studii cerc mat 14 no.3:501-504 '63.

GHEORGHIEV, D. [Georgiev, D.]; GHEORGHIEV, H. [Georgiev, Kh.]

Distribution of $C^{14}$ in blossom cluster, tip and leaves of tomato plants. Doklady BAN 16 no.3:313-316 '63.

*Gheorghe F.*

ROMANIA

GLIGORE, V., Professor; BACIU, Tr., MD; GHERMAN, Gr., MD;
DUMITRESCU, I., MD; GHEORGHIEV, I., MD; FLOREA, E., MD;
BUJAN, St., MD; SAVA, E., MD; TRAILA, P., MD; LAPUSAN, M,
Hospital attendant; PETEANU, N., MD.

1.Medical Clinic II, Cluj (Clinica a II-a medicala Cluj) - (for
    first five);  2. Polyclinic No. 1, Cluj (Policlinica Nr. 1,
    Cluj) - (for next five);  3.   Bontida Precinct (for
    Peteanu).

"The Role of Certain Occupational Factors in the Aetiopathogeny
    of Ulcerous Diseases of Tractor Operators and Car Drivers."

(11)

GHEORGHIEV, K.

GUEORGUIEV, K.; KARAKACHEV, M.

Contribution to the problem of juvenile hypertension. Cor Vasa 3 no.4:
264-272 '61.

1. Institut Pedagogique de l'Academie des Sciences, Sofia.

(HYPERTENSION statistics)

GHEORGHIEV, Olga-Adina

On the plane section hypothesis in the material resistance.
Studii mat Iasi 14 no.1:193-199  '63.

GEORGHIEV, Olga Adina

Approximation of solutions of some equations which intervene
in the theory of elasticity. Studii mat Iasi 14  no.  2).
241  '63).

RADOVICI, Petre, ing.; GHEORGHIEVICI, Gh., ing.

Increasing the productivity of some drilled water wells.
Rev. cailor fer 11 no.11:647-648,652  N'63.

1. Din D.T.V. (for Radovici). 2. Din D.I.D. (for Gheorghievici).

RUMINL:/Pharmacology and Toxicology. Local Anesthetics.           V

Abs Jour: Ref Zhur-Biol., No 19, 1958, 89925.

Author  : Gheorghin, P.; Stroescu, V.; Mannchian, M.
Inst    :
Title   : The Antifibrillating Action of Procaine.

Orig Pub: Fiziol. norm. si patol., 1957, 4, No 1, 46-54.

Abstract: The effect of procaine (I) on arrythmia of rabbits'
          hearts in situ and outside of the organism was
          studied.  It was established that, in situ, I has
          no effect on auricular fibrillation, but arrests
          fibrillation of the ventricles; I arrests fibril-
          lation of both the auricles and ventricles in the
          isolated heart, possibly as a result of direct
          action upon the myocardium. -- Ye. M. Sheynbaum.

Card    : 1/1

RASEEV, D.; ROTARU, A.: TEVNIC, I.; GHEORGHISOR, N.

Study of the wear of plastic materials in media of oil and
water. Pt. 1.   Bul Inst Petrol Rum no  10-124-140  '63.

Gheorghita, C.

RUMINI./Chemical Technology. Chemical Products and Their                    II-22
        Application. Chemical Processing of Solid Fossil
        Fuels.

Abs Jour:  Ref Zhur-Khim., No 2, 1959, 5952.

Author  :  Blum, I; Bolchi, Fr.; Epure, I.; Gheorghita, C.;
           Goldstein, M.; Goruneanu, M.; Ionescu, I.; Mandel, N.;
           Piotkowski, Th.; Sirbu, N.
Inst    :
Title   :  Chemico-Technological Study of Peat in RPR. Report II.
           Mechanical Treatment and Processes of Chemico-Technolo-
           gical Treatment of Peat in RPR.

Orig Pub:  Studii si cercetari energ., 1956, 6, No 5, 265-279.

Abstract:  It was found in the laboratory study of briquetting
           that the strength of briquets does not increase
           noticeably with the rise of pressure above 1500 kg

Card    :  1/2

106

RUMANIA / Physical Chemistry. Molecule. Chemical Bond.   B

Abs Jour: Ref Zhur-Khimiya, No 24, 1958, 80256.

Author  : Gheorghita, C., Ghita, C.
Inst    : Not given.
Title   : Absorption Spectra in the Ultraviolet Region of
          the Orto, Meta, and Para-Dichloro Salts of Bis-
          (Acetyltrialkylammonium)-Phenylindiamine.

Orig Pub: Studii si cercetari fiz. Acad. RPR, 1958, 9,
          No 1, 111-114.

Abstract: Ultraviolet absorption spectra in the 2100-4000°
          A region for the o-, m-, and p-dichloro salts
          of bis-(acetyltrialkylammonium)- phenyllindia-
          mine and for the m- and p-dichloro salts of bis-
          (acetyltriethylammonium)-phenylindiamine were
          investigated. Spectra of these substances in
          the 2100-3300° A reveal existence of breaks in

Card 1/2                         2

DIMITRESCU, R.; GHEORGHITA, I.

      Geologic study of Varatec mine (Baia Mare). Dari seama sed
      45:309-320 '57/58 [publ. '62].

SAVU, H.; GHEORGHITA, I.; VASILESCU, Al.; BALOIU-FARCASAN, Maria

Geology and petrography of the northern part of the Semenicului Mountains. Anuarul Comit geol 34 pt. 1:279-321 '64.

1. Submitted Janurary 1964.

GHEORGHITA, Ioana .

Chalcographic study of Varatec mine (Baia Mare). Dari seama
sed 45:321-335 '57/58 [publ. '62].

GHEORGHIZA, L.

Corrosion Inhibition Substances. Revista De Chimie (Journal of Chemistry), #2:22:Feb 55

GHEORGHITA, S.

Nonstationary movements of incompressible fluids in nonhomogeneous porous media. p. 33

ANALELE. SERIA STINTELOR NATURII. Bucuresti, Rumania. Vol. 7, no. 17, 1958

Monthly list of European Accesions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

GHEORGHITA, S.

Manufacturing prefabricated parts of concrete and reinforced concrete in outdoor yards. p. 1. TEHNICA NOUA. (Asociatia Stiintifica a Inginerilor si Tehnicienilor) Bucuresti. Vol. 3, No. 40, Mar. 1956.

So. East European Accessions List     Vol. 5, No. 9     September, 1956

GHEORGITA, S.

The influence of solid walls in problems of plane percussion.  p. 29.
(ANALELE.  SERIA STIINTELOR NATURII.  Rumania.  Vol. 5, no. 11,  1956)

SO:  Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957, Uncl.

GHEORGHITA, S.: AUTRIAN, J.

Influence of different types of walls on characteristic indexes of dwellings.
Pt. 2 p. 216

REVISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII. (Asociatia Stiintifica a
Inginerilor si Technicinilor din Rominai si Ministerul Constructiilor si al
Materialelor de Constructii) Bucuresti, Rumania. Vol. 11, no. 5, May 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept. 1959

Uncl.

GHEORGHITA, S.; DEMITRIU-VILCEA, E.

Comparative technical and economic analysis of different types of terraces. p. 240.

REVISTA CONSTRUCTIILOR SI A MATERIALELOR DE CONSTRUCTII. (Asociatia Stiintifica a Inginerilor si Tehnicienilor din Rominia si Ministerul Constructiilor si al Materialelor de Constructii) Bucuresti, Rumania. Vol. 11, no. 5, May 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 9, Sept. 1959.

Uncl.

_____ ___ .; _ ____ _.

Technical and economic comparative analysis of different types of walls for dwelling buildings. . 1_.

_____ _____ _ _ A _____ __ _ _____ . _ _____ _____ a __ _____ _ _____ din Rominia _ _____ _____ _ al Materialelor de Constructii) Bucuresti, Romania. Vol. 11, no. 4, Apr. 19__.

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Monthly List of East European Accessions ____ __,/_ . , ___. ___

Incl.

GHEORGHITA, St.

Building industrialization, a base of technical progress in
building.  Probleme econ 15 no.6:64-77 Je '62.

GHEORGHITA, St. I. (Bucuresti)

On the boundary layer near the leading edge of a flat plate.
Bull math Rum ( no.3/4:393-396 '62 [publ. '63].

1. Submitted March 30, 1962.

GHEORGHITA, Stefan

"Concerning the Calculation of the Maximum Temperature in Non Linear Electrodynamics."Revue de Matematiques et de Physique, Vol. 2, 1954

GHEORGHITA, SIIRUA

Gheorghita, Sh. I. Two applications of bipolar coordinates in the hydrodynamics of viscous liquids. Gaz. Mat. Fiz.
Ser. A 6, 149-164 (1954). (Romanian)

After giving a discussion of bipolar coordinates, the author uses these in solving two hydrodynamic problems. The first is the steady slow flow of a viscous fluid along a pipe whose cross-section (cross-shaped) is formed by two circular arcs. The second is that of the slow (inertia neglected) viscous flow in the region between an axle rotating in a fixed but eccentric position within a fixed bearing, both of circular cross-section. J. V. Johansen (Providence, R. I.).

1 - F/W

GHEORGHITA, S.

Certain problems related to division of a segment by points taken at random.  p. 243.  STUDII SI CERCETARI MATEMATICE.  Bucuresti.
Vol. 6, no. 3/4, July/Dec. 1955

SOURCE:     East European Accessions List (EEAL)  Library of Congress
Vol. 5, No. 7, July 1956.

*GHEORGHITĂ ST I*

Gheorghiță, St. I. Généralisation de la formule de Stokes. Acad. R. P. Romîne. Bul. Şt. Secţ. Şti. Mat. Fiz. 7 (1955), 751–756. (Romanian, Russian and French summaries)

The author obtains exact expressions for the velocity and pressure components for the case of the slow motion of a porous sphere in a viscous incompressible fluid. Stokes' formula for the expression of the force-component is generalized.      *K. Bhagwandin* (Oslo).

1 – P/W

Le mouvement irrotationnel d'un ... en présence d'une sphère ... Acad. R. P. Romine Bul. Sti. Sect. Sti. Mat. Fiz. 5 (1953), 757–762. (Romanian, Russian and French summaries)

The author studies the problem of the irrotational motion of a fluid in the presence of a porous sphere. The ... components in the fluid and in the porous sphere are obtained, as well as the magnitude of the force acting on the sphere.

*K. Bhagwandin* (Oslo).

1 - F/W

Distr: 4E3a(b)
Stationary Slow Motion of a Viscous Incompressible Fluid

2
1-F\W
1

7482:

Gheorghitā, St. I. Le mouvement lent stationnaire d'un fluide visqueux incompressible dans la présence d'une enveloppe poreuse sphérique. An. Univ. C. "I. Parhon" Bucureşti. Ser. Şti. Nat. 5 (1956), no. 9, 39-45. (Romanian. Russian and French summaries)

The author presents the solution to the problem mentioned in the title, for small Reynolds' numbers (i.e., slow motion; linearized Navier-Stokes' equations). He applies Fourier series expansions for the velocity and pressure components. The ensuing constants are determined from the appropriate boundary-conditions. Particular cases are also noted.     K. Bhagwandin (Oslo)
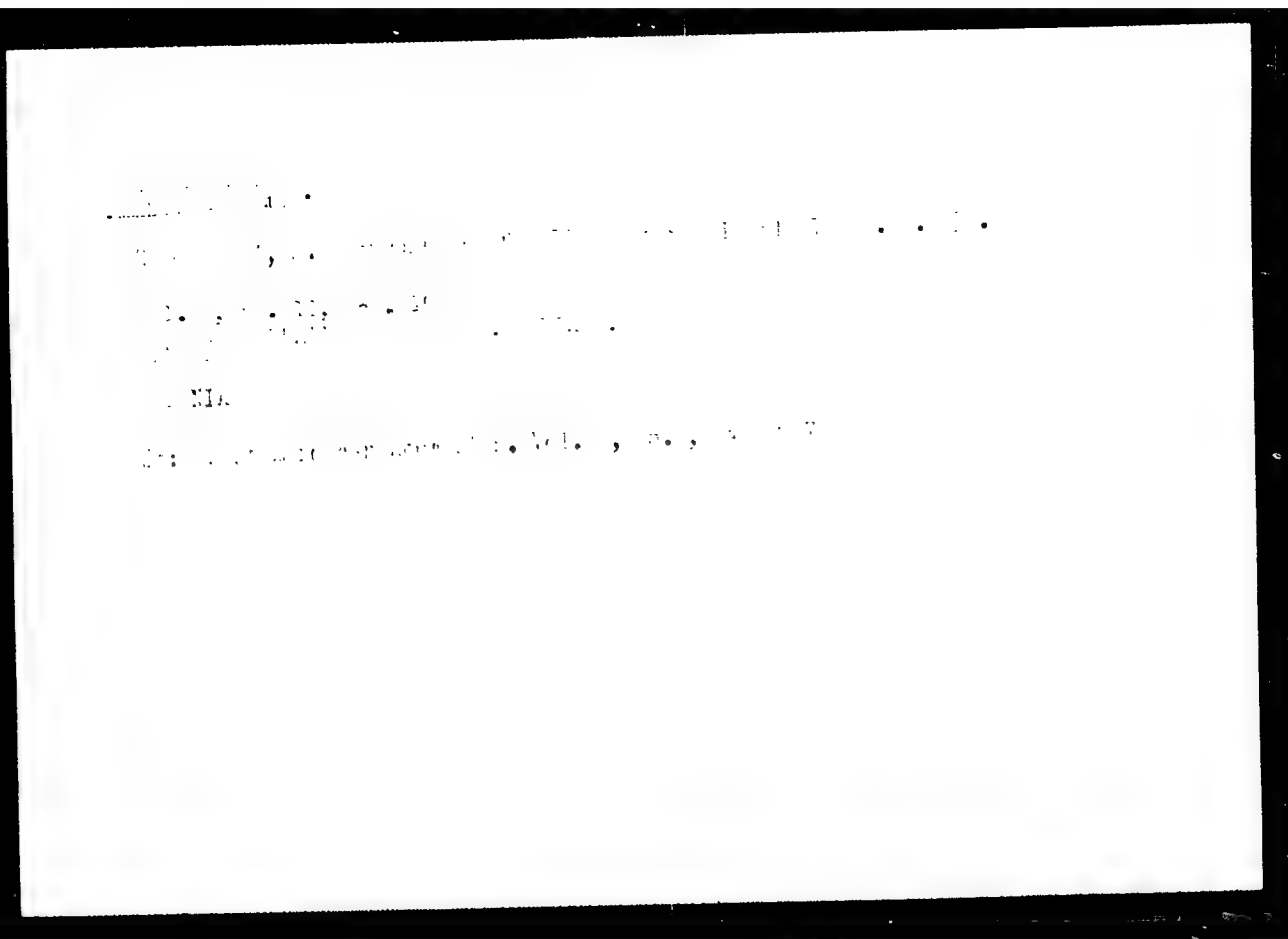
GHEOR HITA, S.

GHEORHITA, S.  About the generalization of the Stokes law.  p. 763.
Vol. 6, no. 6, June 1956.  COMUNICARILE.  Bucuresti Rumania.

GHEORGHITA, S.

On the impact theory on perfect incompressible fluids. p. 75.

REVUE DE PHYSIQUE (Academia Republicii Populare Romine) Bucuresti
Vol. 4, no. 1, 1959.

Monthly List of East European Accessions (EEAI) L C, Vol.9, ... / 60

R/008/60/000/006/003/008
A231/A126

10 1200
144300                                    26092

AUTHOR:     Gheorghiţă, St.I.

TITLE:      The application of some boundary problems in fluid mechanics

PERIODICAL: Studii şi cercetări de Mecanică aplicată  no. 6, 1960, 1,535 - 1,542

TEXT:       The article first deals with the identity of the mathematical prob-
lems resulting from the impact theory on perfect fluids and some problems of the
theory of motion in homogeneous porous media. Then it presents the effective so-
lution of some particular boundary problems which appear in these theories and
finally mentions the generalization possibilities of the results obtained. The
examples given show the application possibility of the analogy between the impact
and the filtration theories, leading mathematically some times to the same bound-
ary problem. Another example was presented in a recent publication [Ref. 14: St.
I. Gheorghiţă, Arch. Mech. Stosowanezh, X, 5, 612 (1958). The author finally
mentions the utilization possibility of the impact theory at the linear stationary
motion of gases in which case $\varphi$ will be the square of the gas pressure, or at the
nonstationary motion with a free surface of heavy fluids in the theory of Boussi-
nesq. There are 5 figures and 15 references: 11 Soviet-bloc and 4 non-Soviet-

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The application of some boundary problems on....

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A231/A126

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tio. The references to the English-language publications read as follows: Şt.
I. Gheorghiţă: On the impact theory on perfect incompressible fluids. Revue de
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sional motion of the artesian waters. Arch. Mech. Stosowanezh, X, 5, 612 (1958).

ASSOCIATION: Universitatea "C.I. Parhon" (University "C.I. Parhon",

SUBMITTED: February 9, 1960

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On the slow motion in porous media. Rev math pures 6 no.1:133-140
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Bull math Rum 6 no.1/2:53-59  '62 [publ. '64].

1. Submitted June 7, 1963.

GHEORGHITA, ST. I.
SURNAME, Given Names

Country:  Rumania

Academic Degrees:  -not given-

Affiliation:  -not given-

Source: Bucharest, Comunicarile Academiei Republicii Populare Romine,
    Vol XI, No 7, 1961, pp 601-606.

Data:  "On Vortexes in a Viscous Fluid in the Presence of Porous
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